

TOP SECRET**TOP SECRET 032202Z**

1964 FEB 3 22 20Z OUT52743

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IDEALIST

4 FEB 1964

ATTN: [REDACTED]

HFS 25X1

REF: PHONE CONVERSATION [REDACTED]

30 JANUARY

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1. [REDACTED] UTILIZES THE TRACKER PHOTOGRAPHY IN THE FOLLOWING

WAYS:

PWS

ACI Cici

A. ON GOLDEN TREE MISSIONS THE FLIGHT PATH IS PLOTTED FROM THE TRACKER PHOTOGRAPHY AND THE CLOUD FREE AREAS ARE DETERMINED FROM THE TRACKER.

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B. ON FAR EAST MISSIONS OVER AREAS OF POOR MAP COVERAGE THE TRACKER PHOTOGRAPHY, WHICH COVERS A MUCH WIDER SWATH THAN THE 112 CAMERA, IS USED TO LOCATE AND PLOT THE FLIGHT PATH.

C. THERE IS NO MEANS PROVIDED IN THE 112 CAMERA (EITHER A OR B) FOR DETERMINING CAMERA ATTITUDE (PITCH, ROLL AND YAW). WHILE THERE IS NO CORRELATION OR CALIBRATION BETWEEN THE 112 AND TRACKER CAMERAS, THE APPROXIMATE ATTITUDE CAN BE DETERMINED FROM THE TRACKER PHOTOGRAPHY CONTAINING HORIZONS. [REDACTED] HAS PREPARED A COMPUTER PROGRAM FOR COMPUTING ATTITUDE FROM MEASUREMENTS OF THE HORIZON IMAGES APPEARING ON THE TRACKER PHOTOGRAPHY.

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2. IN SUMMARY, [REDACTED] CAN LIVE WITHOUT THE TRACKER PHOTOGRAPHY, HOWEVER, IT HAS PROVEN VERY USEFUL BOTH IN REDUCING THE TIME REQUIRED FOR PLOTTING AND A MEANS FOR IMPROVING MEASUREMENTS FROM THE 112 PAN CAMERA; THUS [REDACTED] WOULD PREFER TO RETAIN THE TRACKER IF POSSIBLE.

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TOP SECRET**/END OF MESSAGE**

GROUP 1
Excluded from automatic
downgrading and
declassification